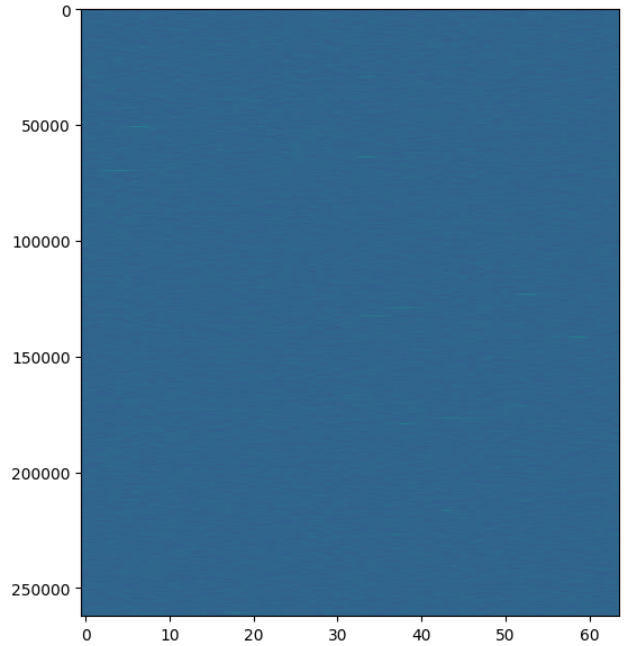
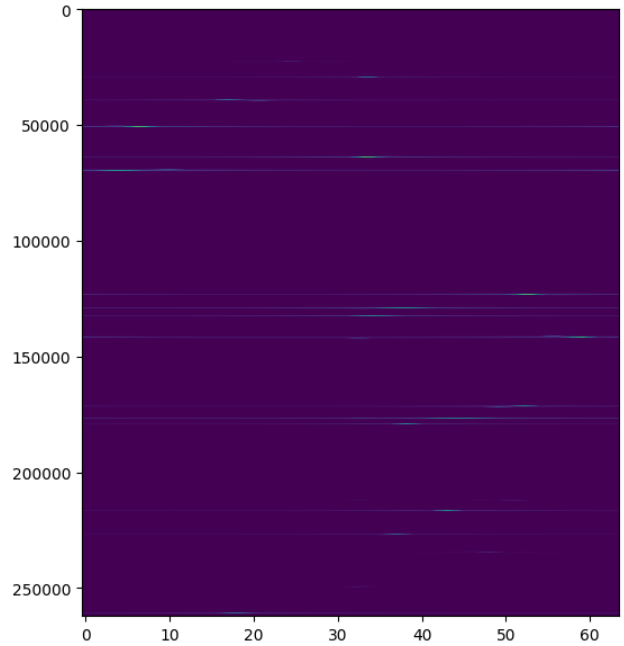
AVANTIX

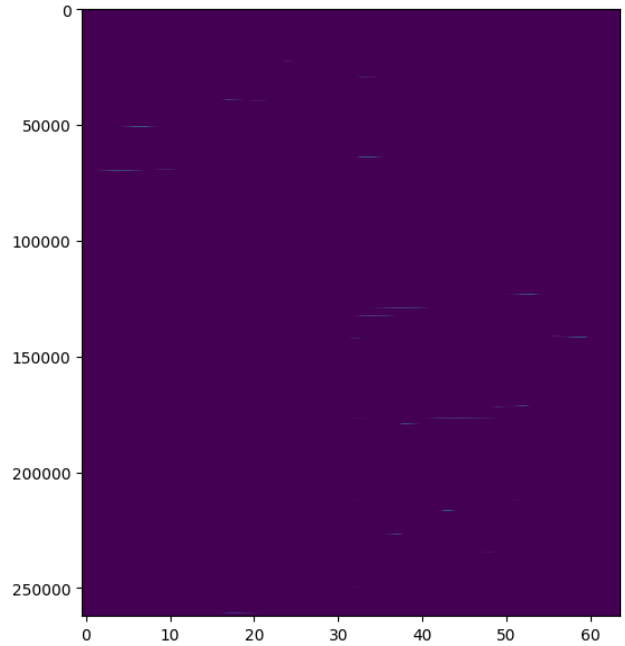
Avancement Simulateur IQ

BT600

nperseg=64

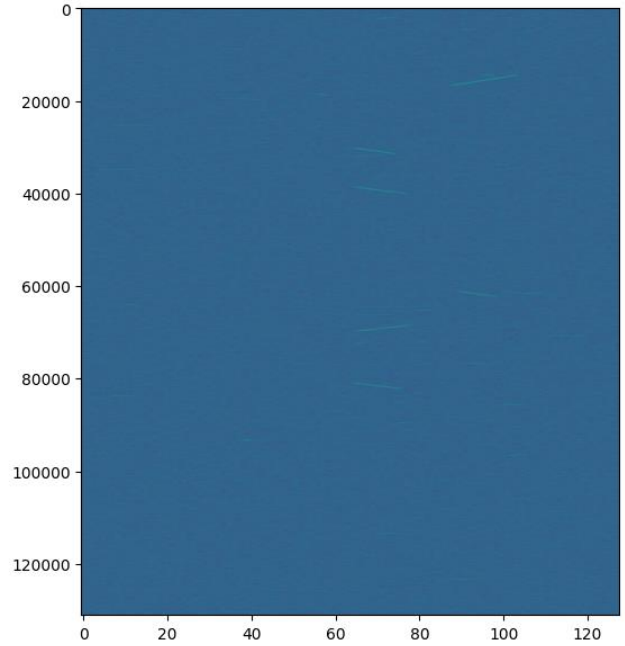


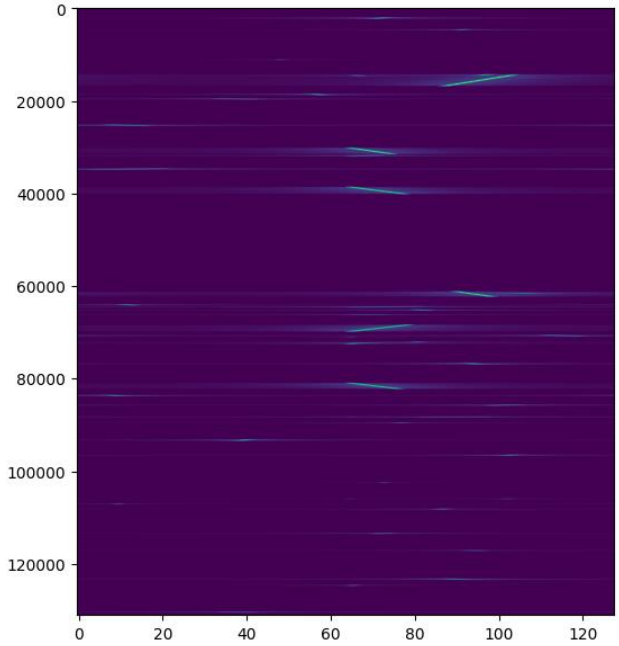


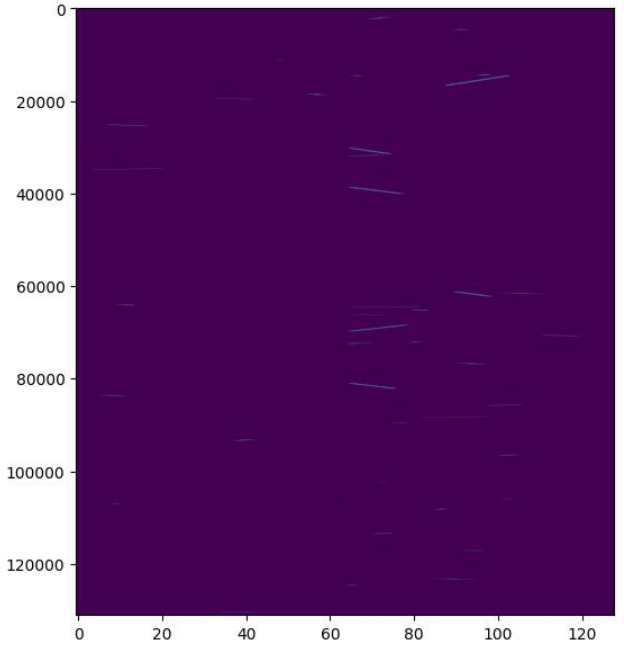


BT600

nperseg=128

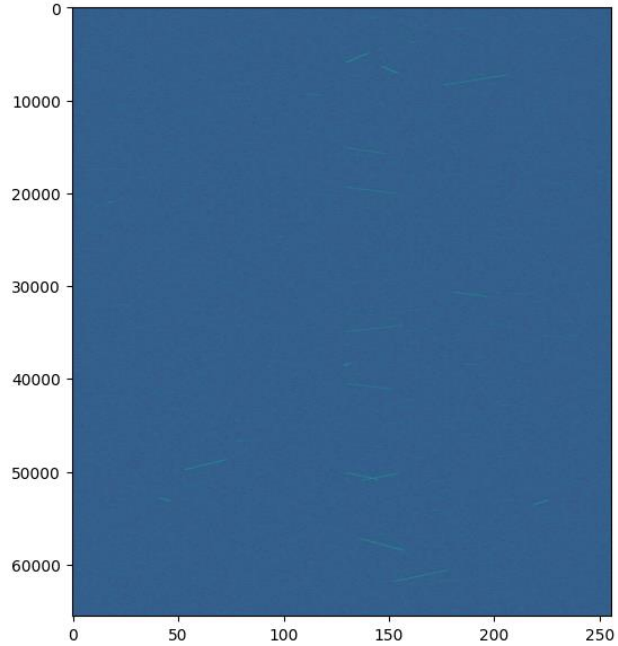


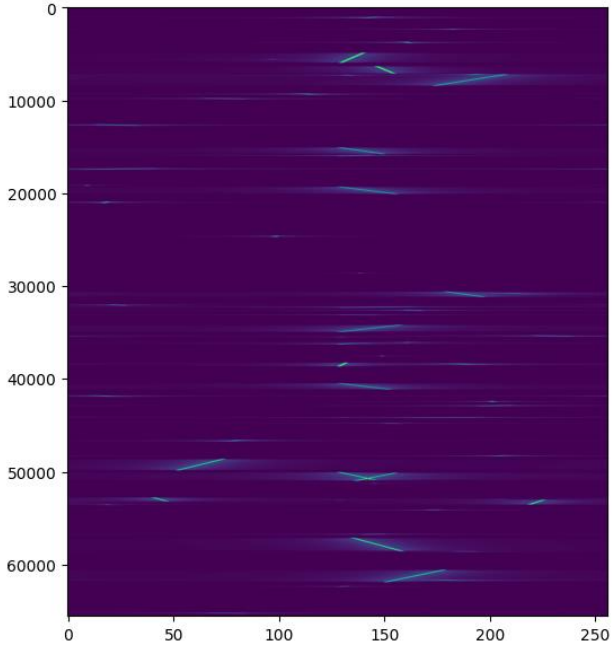


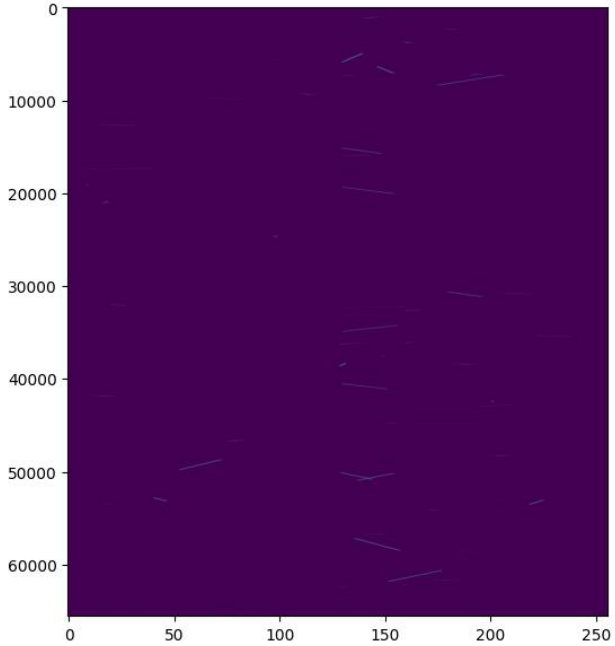


BT600

nperseg=256

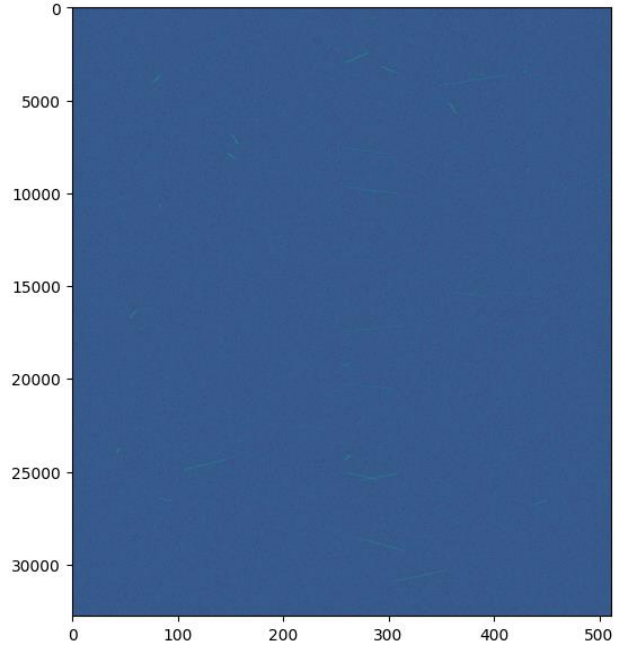


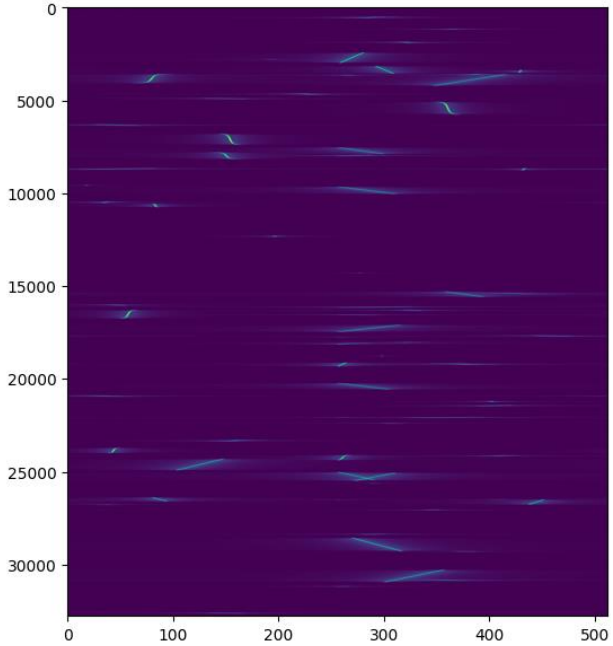


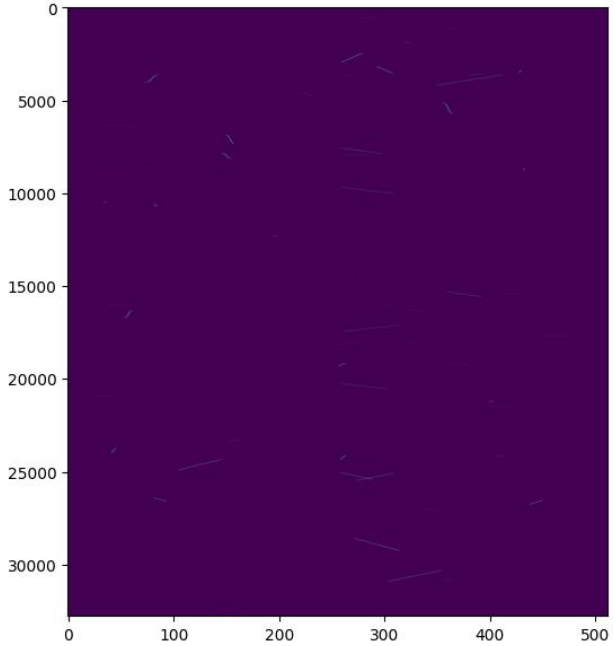


BT600

nperseg=512

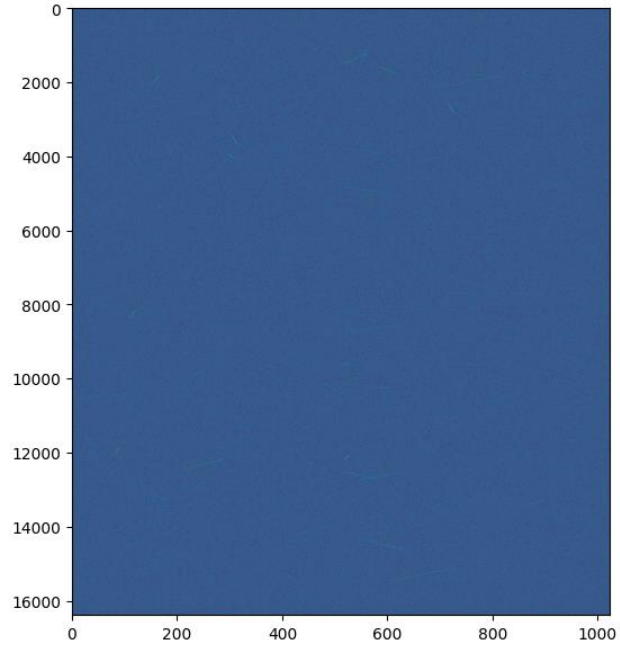


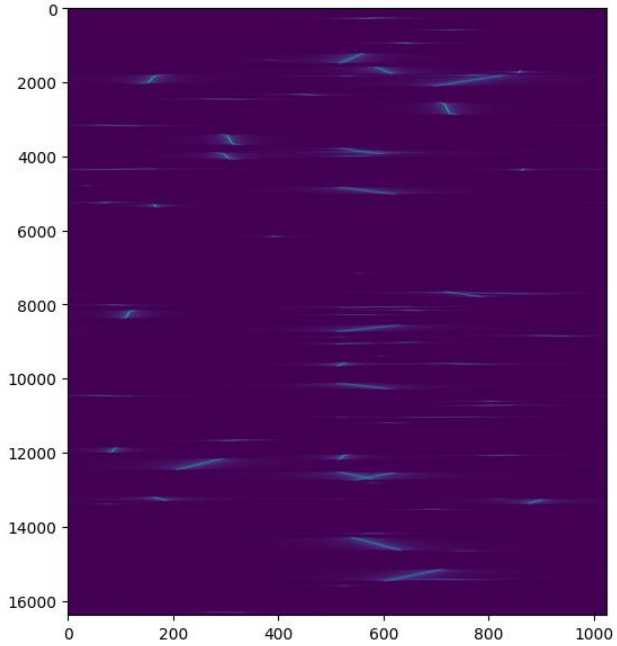


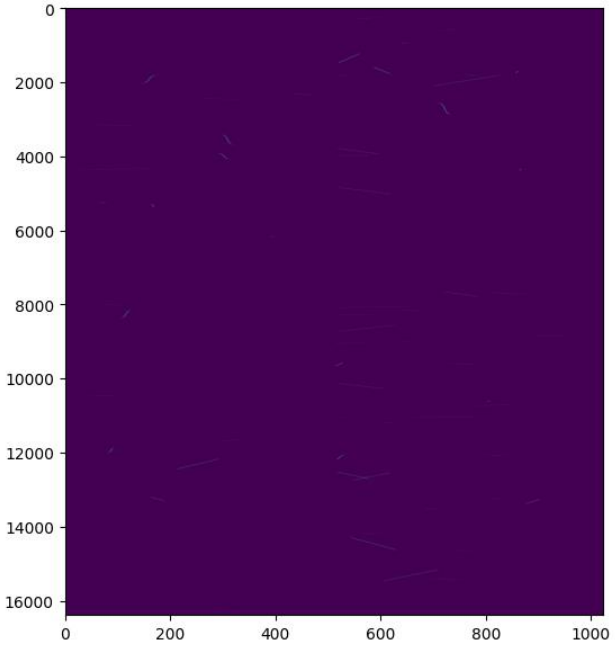


BT600

nperseg=1024

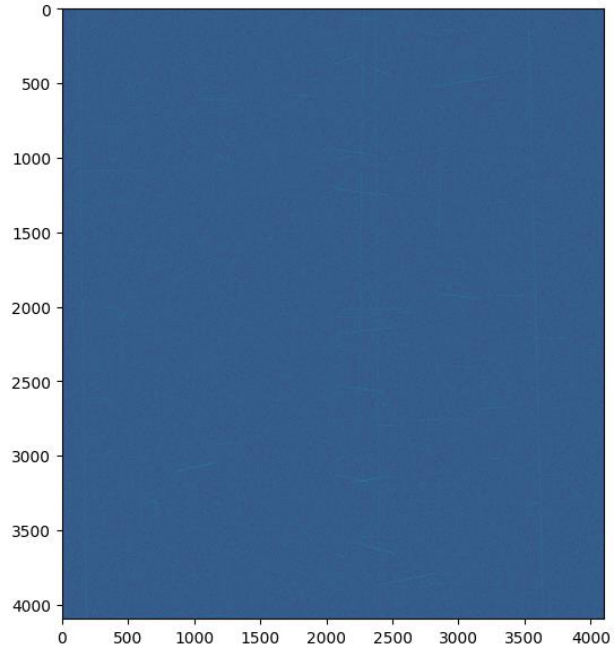


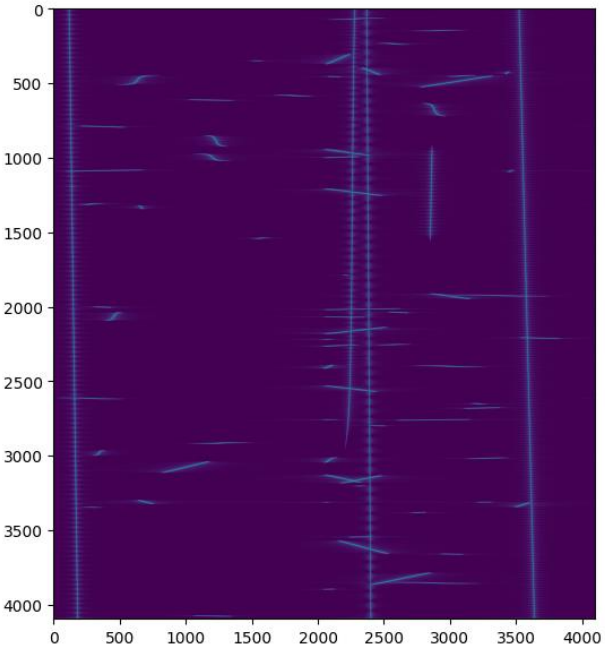


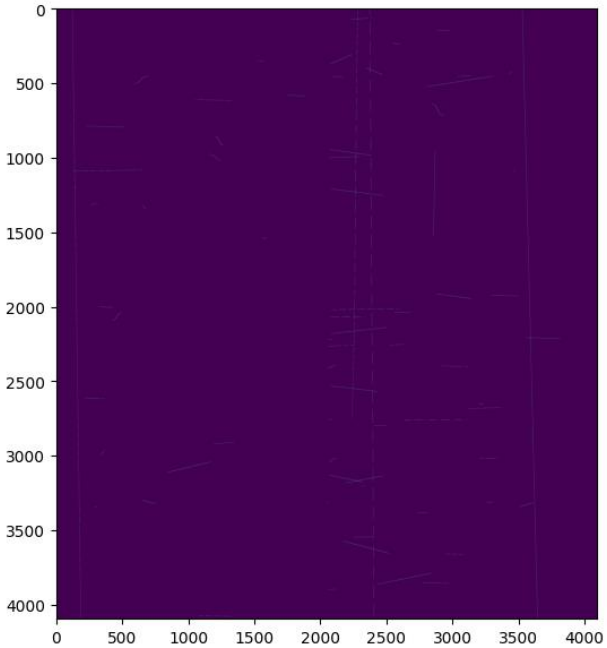


BT600

nperseg=4096

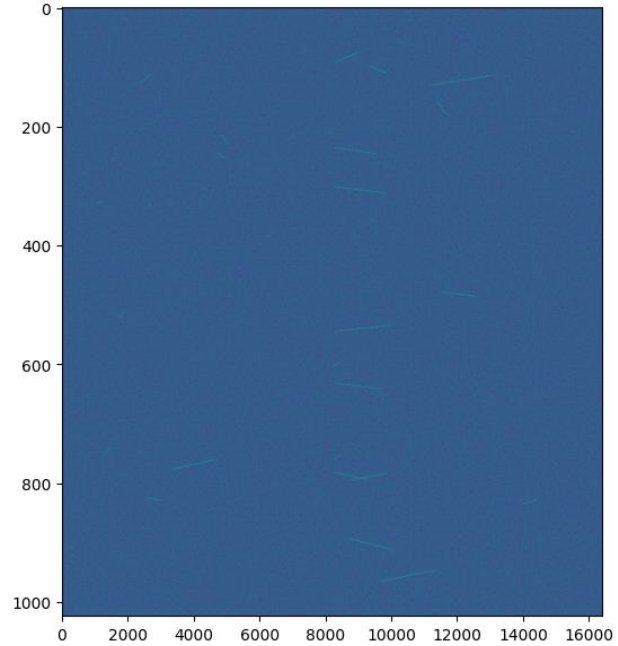


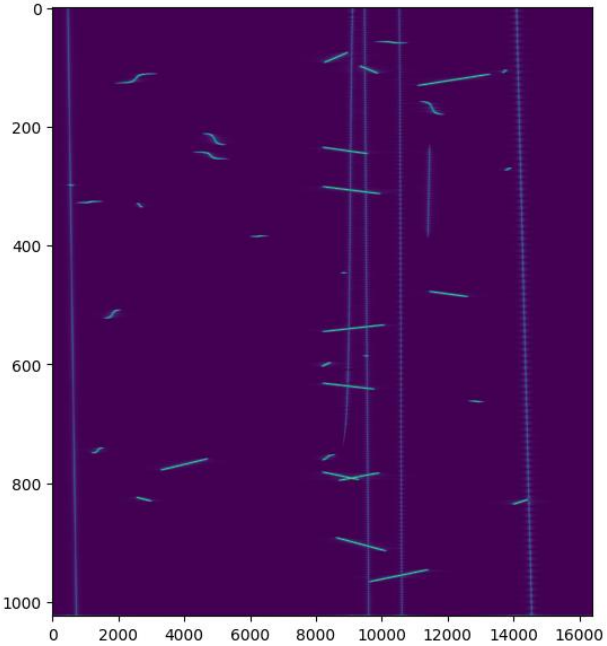


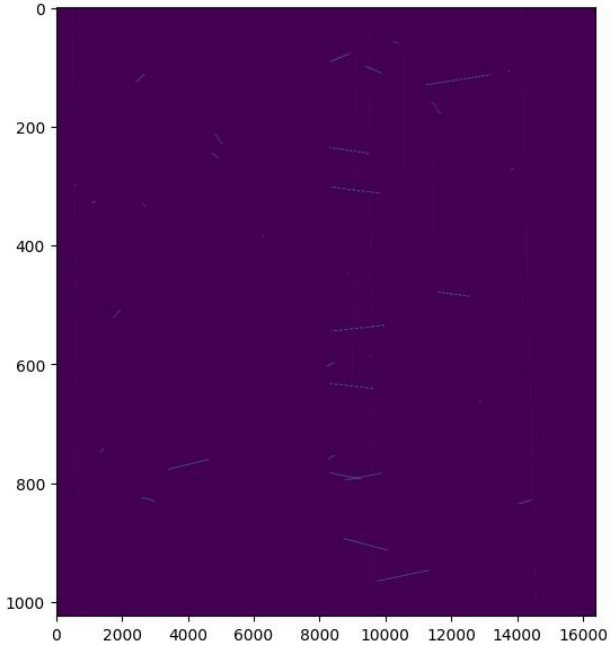


BT600

nperseg=16384

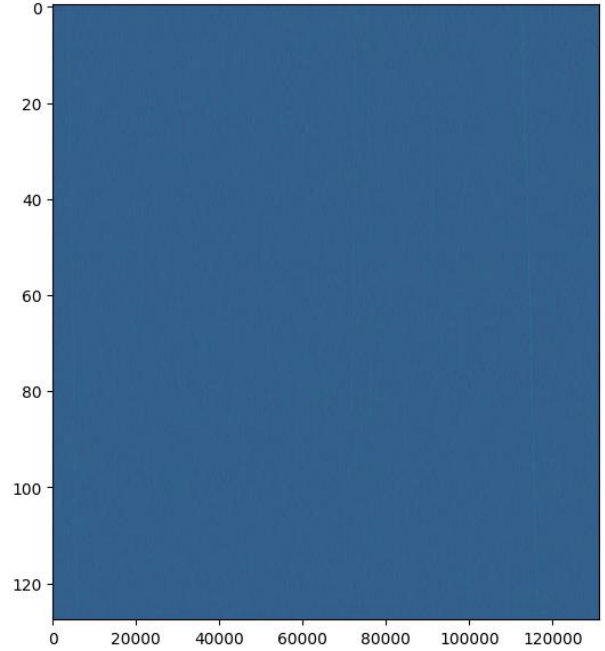


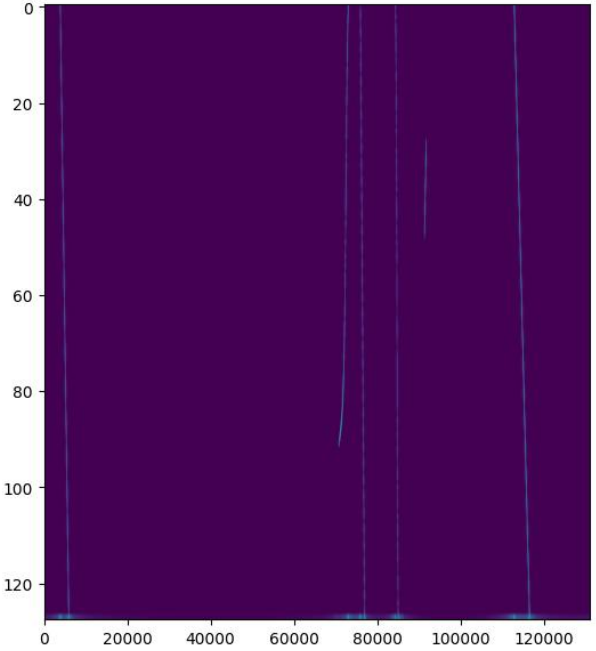


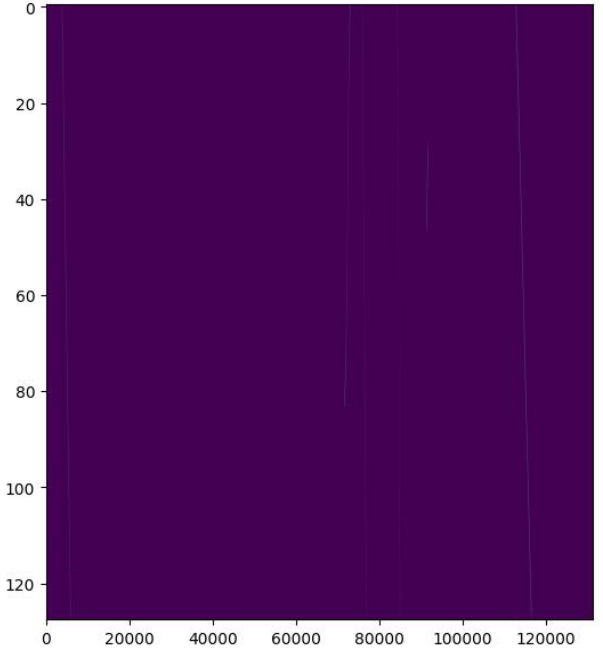


BT600

nperseg=131072



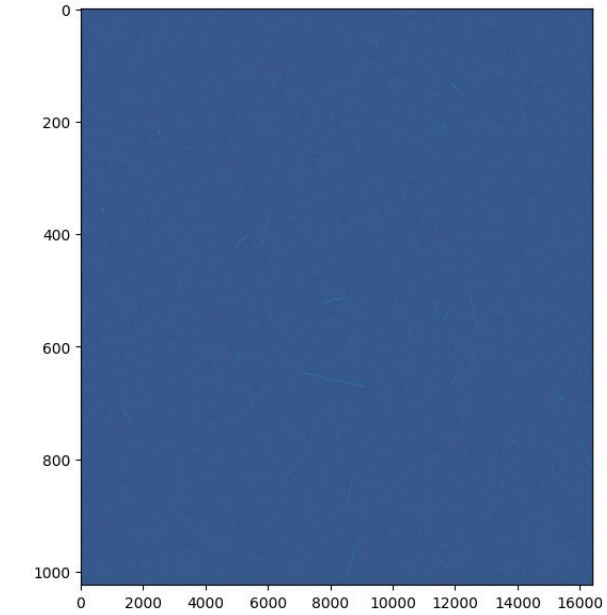


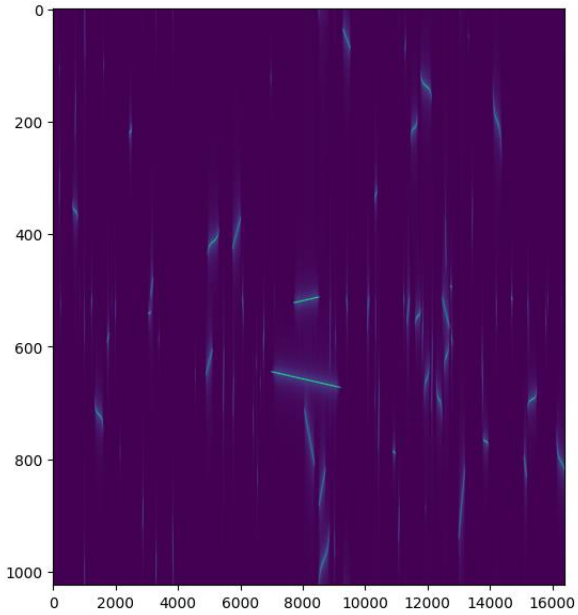


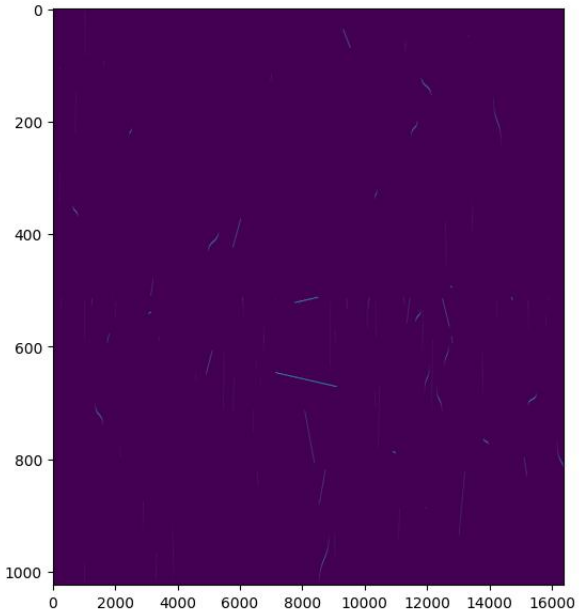
Tentative overfit sur 1 image

La seule image d'apprentissage sur laquelle je cherche à surapprendre :

sxxs_targeted_snr=15dB_214.pt







Tentative overfit sur 1 image 4 convs

Modèle à overfit :
4 couches de convolutions
16 kernels chacun de taille 3x3
Fct de coût DiceLoss

Seuil de binarisation @ FP <= 6 pour 10M

```
Epoch 1000/100, Train Loss: 0.0503, Val Loss: 0.0502, PR AUC: 96.5%
```

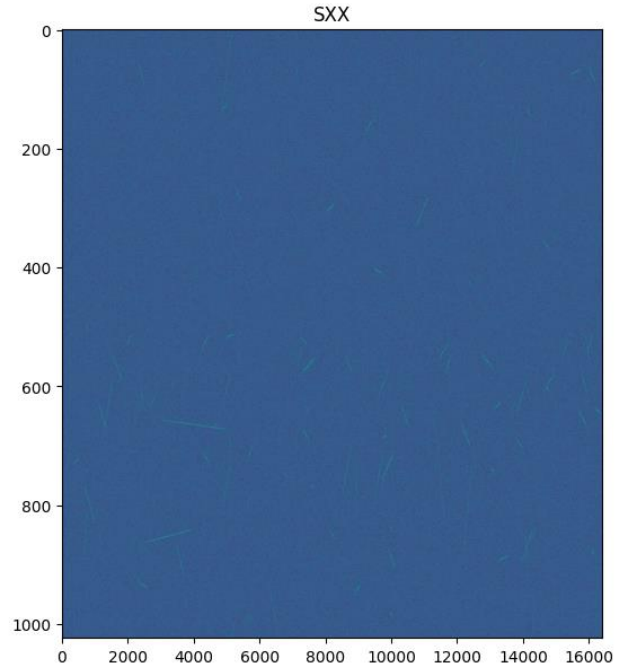
Tentative overfit sur 1 image 1 conv

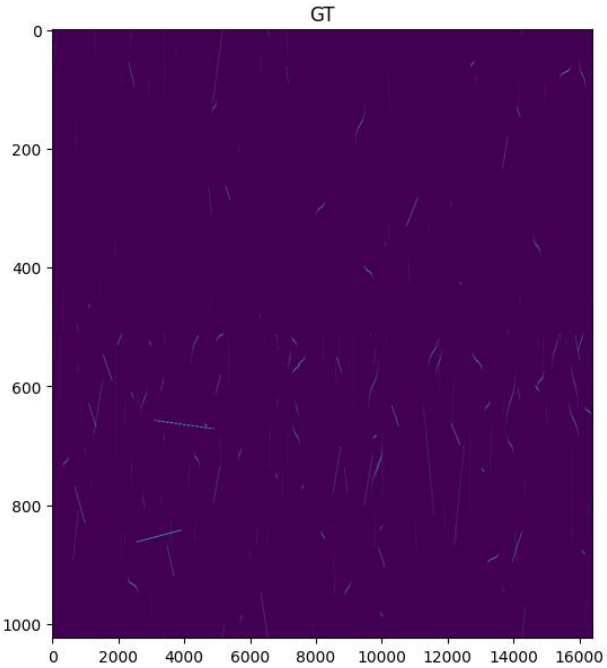
Modèle à overfit :
1 couches de convolution
16 kernels chacun de taille 3x3
Fct de coût DiceLoss

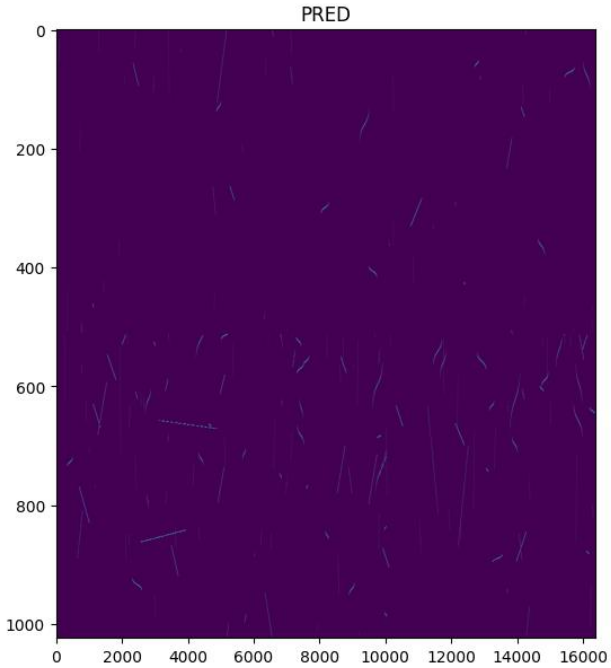
Seuil de binarisation @ FP <= 6 pour 10M

Résultat overfit sur 1 image sur test à 15dB

sxxs_targeted_snr=15dB_61.pt

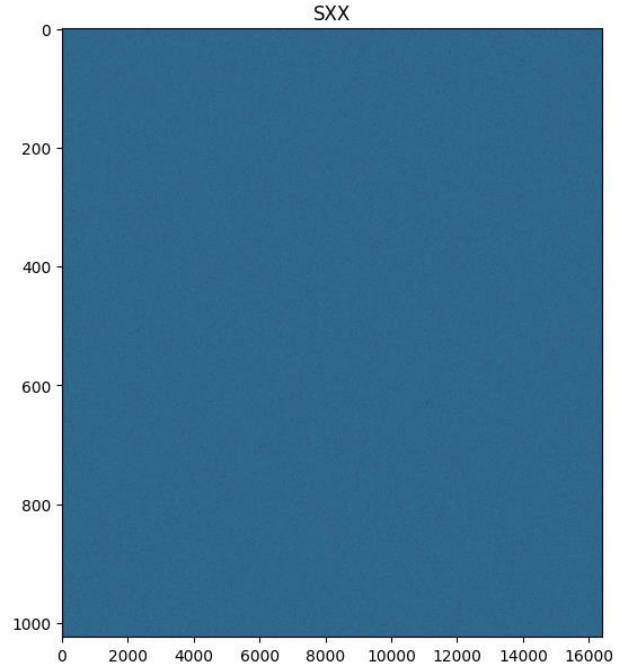


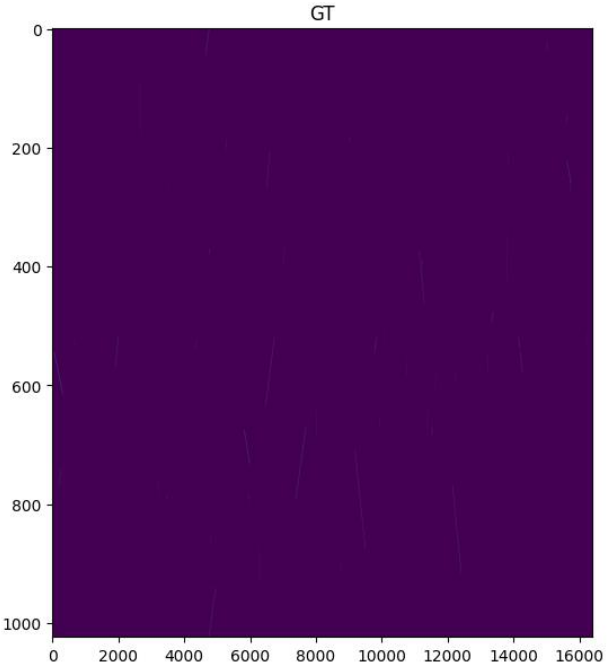


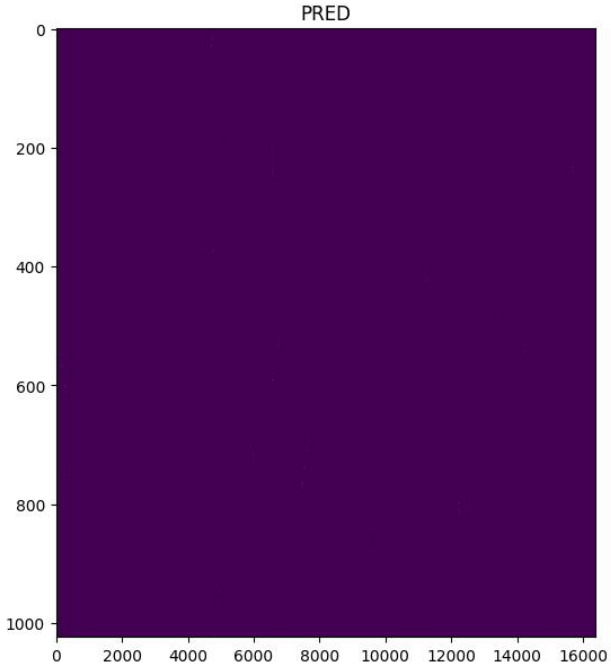


Résultat overfit sur 1 image sur test à 8dB

sxxs_targeted_snr=8dB_4.pt

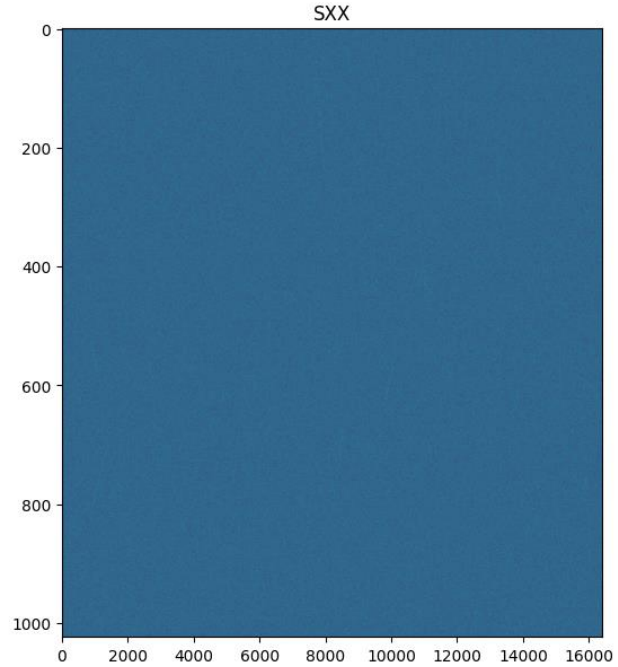


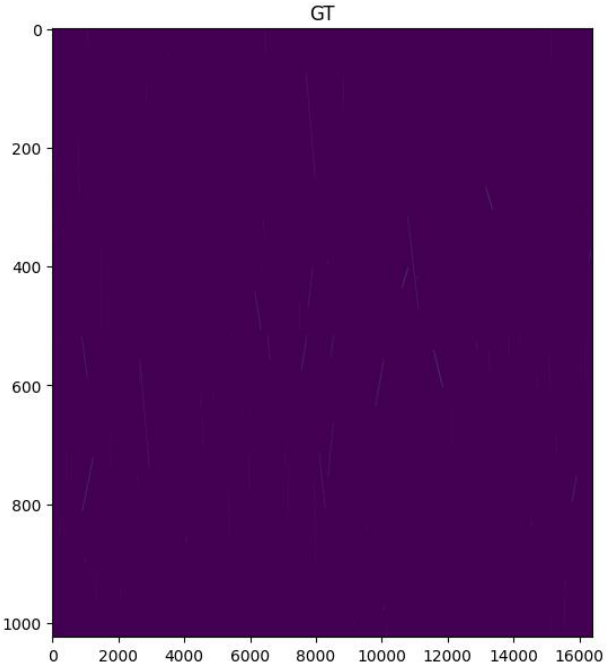


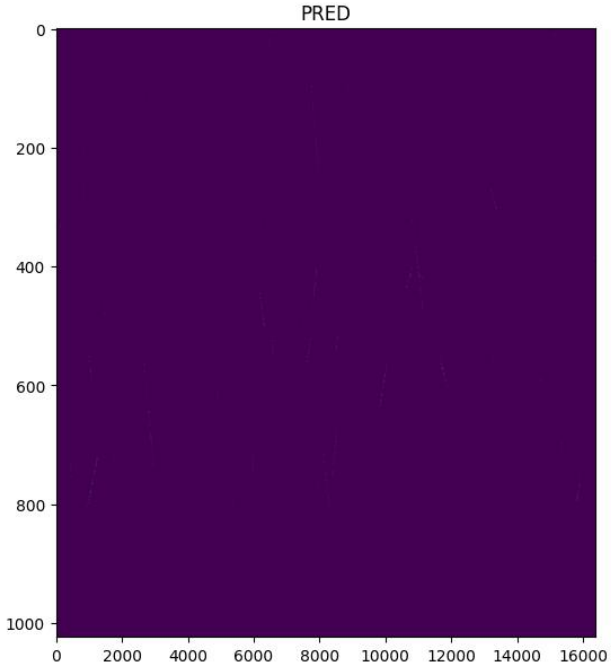


Résultat overfit sur 1 image sur test à 9dB

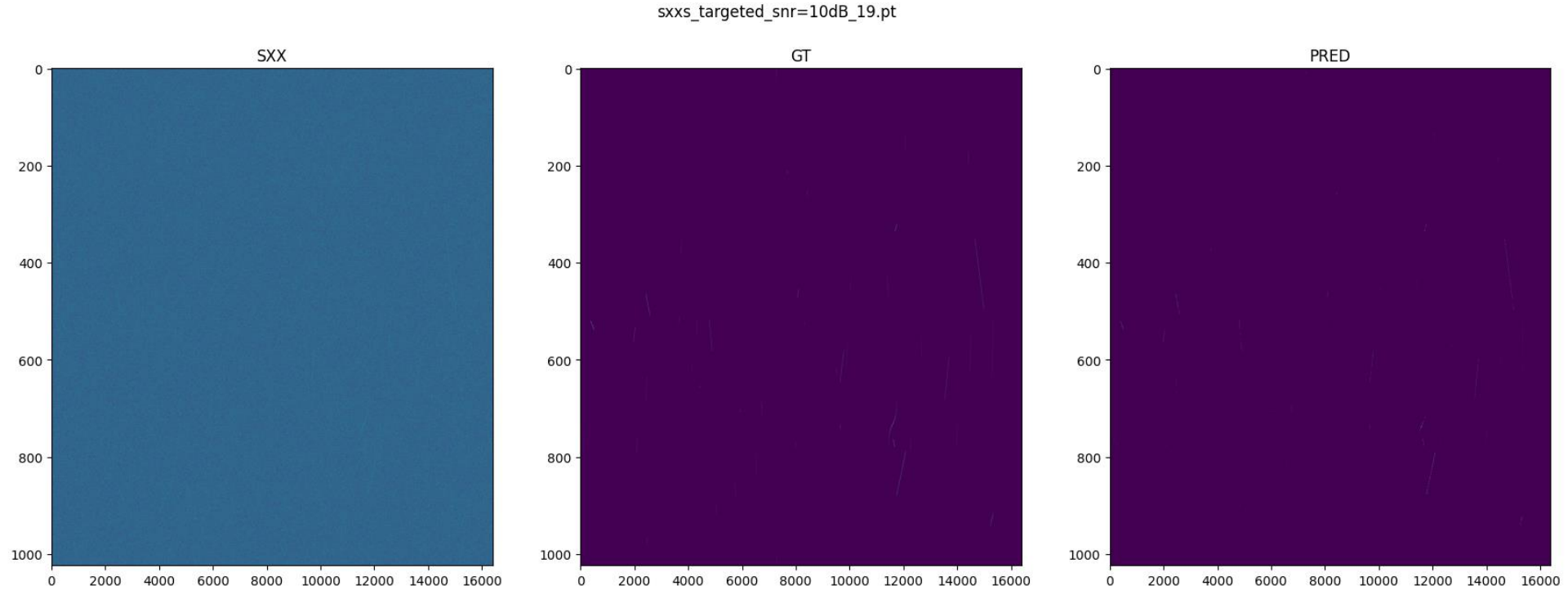
sxxs_targeted_snr=9dB_13.pt





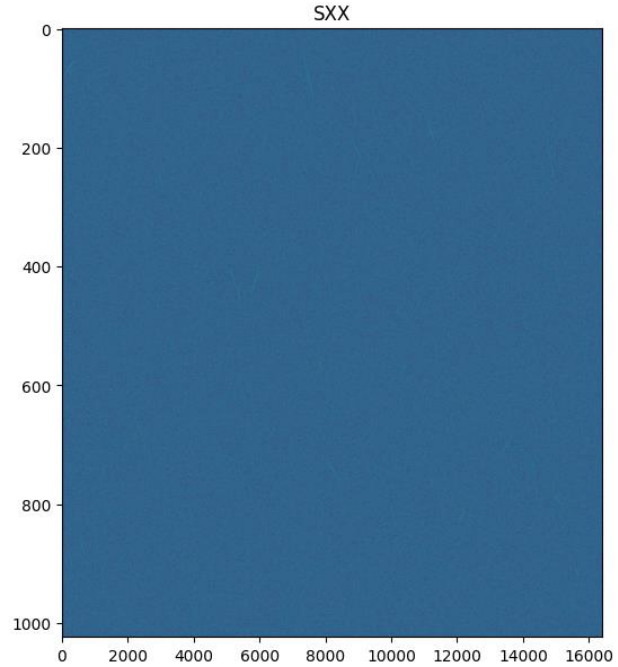


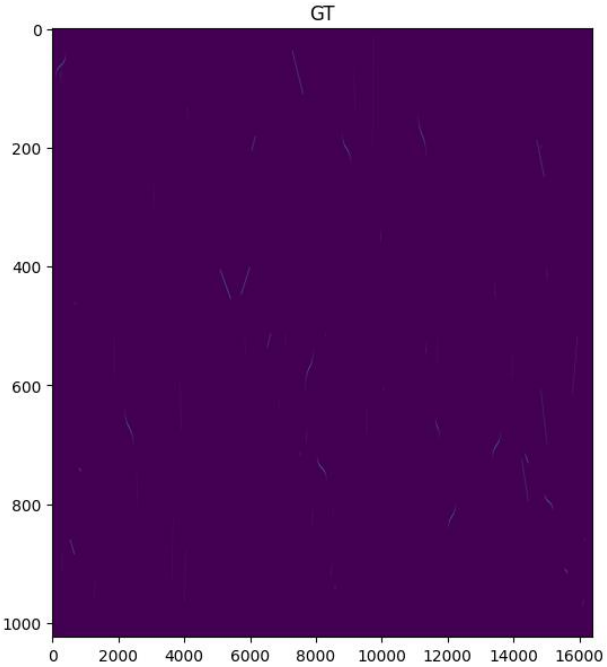
Résultat overfit sur 1 image sur test à 10dB

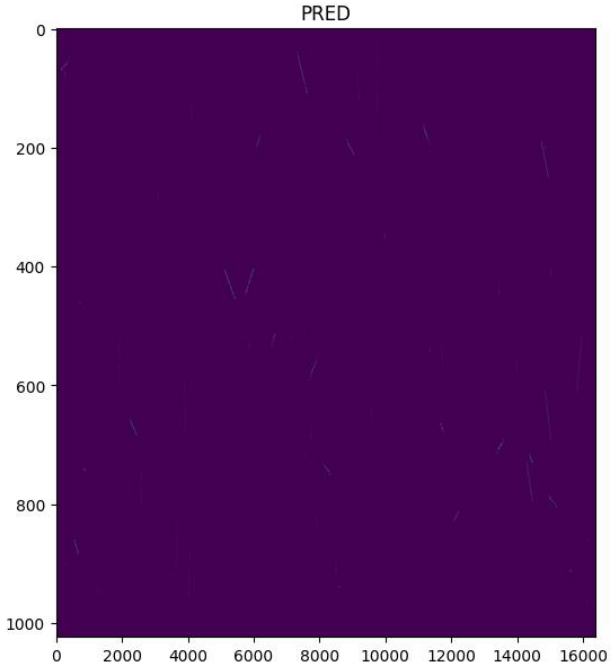


Résultat overfit sur 1 image sur test à 11dB

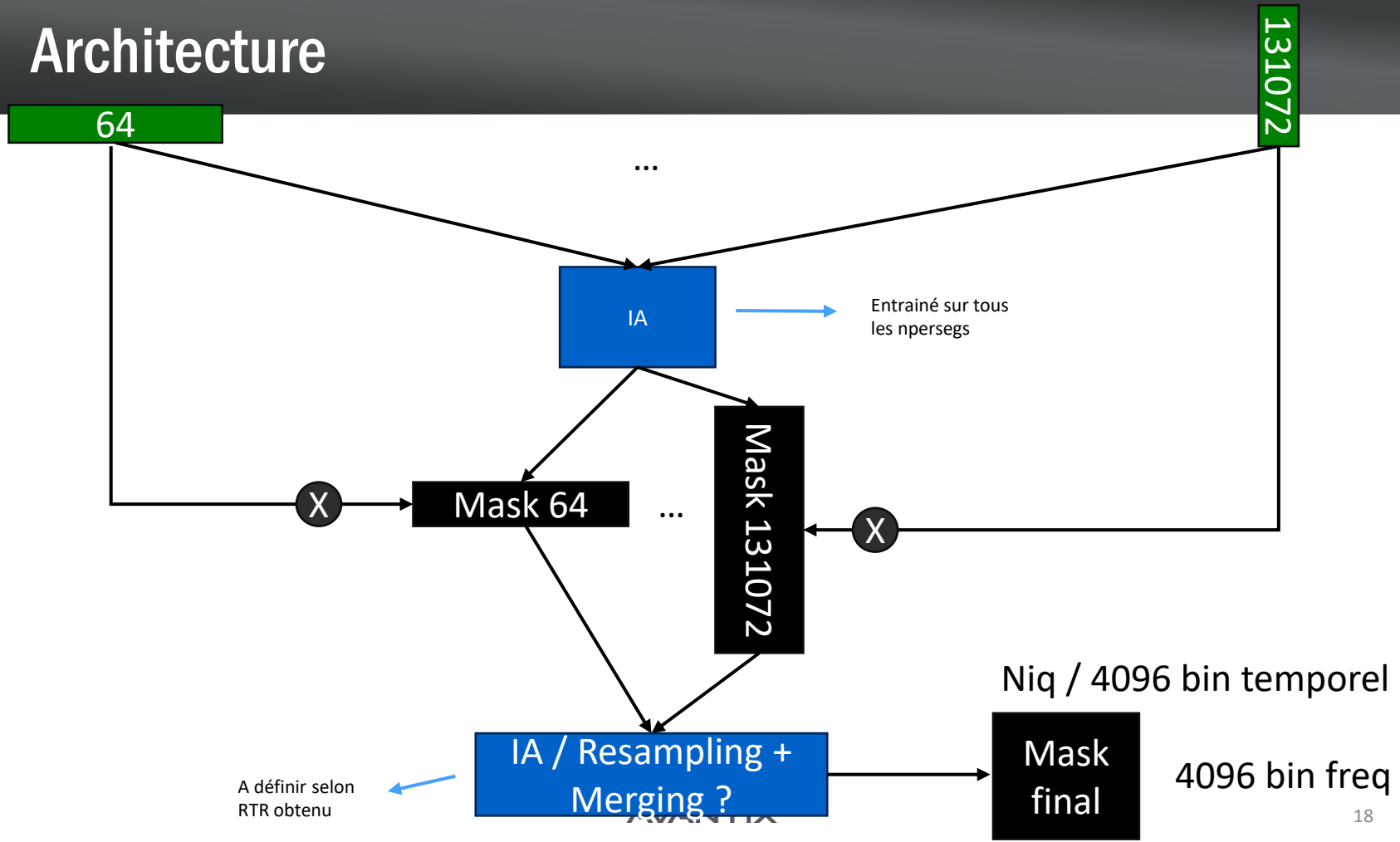
sxxs_targeted_snr=11dB_24.pt







Architecture



AVANTIX

MERCI